Quick Start Manual

SERIOUS 4WD NAVIGATION

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Precautions

WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

INSTALL THE PRODUCT CORRECTLY SO THAT THE DRIVER CANNOT WATCH TV/VIDEO UNLESS THE VEHICLE IS STOPPED AND THE PARKING BRAKE IS APPLIED. It is dangerous for the driver to watch the TV/Video while driving the vehicle. The driver may be distracted from looking ahead and an accident could occur. If the product is not installed correctly, the driver will be able to watch the TV/Video while driving the vehicle and may be distracted from looking ahead causing an accident. The driver or other people could be severely injured.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE. Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

KEEP SMALL OBJECTS SUCH AS BATTERY OUT OF THE REACH OF CHILDREN. Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

DO NOT DISASSEMBLE OR ALTER. Doing so may result in an accident, fire or electric shock.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS. Use for other than its designed application may result in fire, electric shock or other injury.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND. (Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

DO NOT BLOCK VENTS OR RADIATOR PANELS. Doing so may cause heat to build up inside and may result in fire.

MINIMIZE DISPLAY VIEWING WHILE DRIVING. Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT WATCH VIDEO WHILE DRIVING. Watching the video may distract the driver from looking ahead of the vehicle and cause an accident.

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISE WHILE DRIVING. Failure to do so may result in an accident.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS. Failure to do so may cause personal injury or damage to the product. Return it to your authorized VMS dealer or the nearest VMS Service Centre for repairing.

DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS. Doing so may result in personal injury or damage to the product.

DO NOT MIX NEW BATTERIES WITH OLD BATTERIES. INSERT WITH THE CORRECT BATTERY POLARITY. When inserting the batteries, be sure to observe proper polarity (+ and –) as instructed. Rupture or chemical leakage from the battery may cause fire or personal injury.

Product Cleaning

Use a soft dry cloth for periodic cleaning of the product. For more severe stains, please dampen the cloth with water only. Anything else has the chance of dissolving the paint or damaging the plastic.

Temperature

Be sure the temperature inside the vehicle is between +45°C (+113°F) and 0°C (+32°F) before turning your unit on.

Moisture Condensation

You may notice the disc playback sound wavering due to condensation. If this happens, remove the disc from the player and wait about an hour for the moisture to evaporate.

Damaged Disc

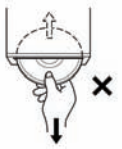
Do not attempt to play cracked, warped, or damaged discs. Playing a bad disc could severely damage the playback mechanism.

Maintenance

If you have problems, do not attempt to repair the unit yourself. Return it to your VMS dealer.

Never Attempt the Following

Do not grip or pull out the disc while it is being pulled back into the player by the automatic reloading mechanism.
Do not attempt to insert a disc into the unit when the unit power is off.



Inserting Discs

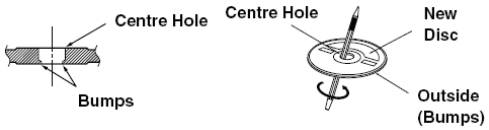
Your player accepts only one disc at a time for playback. Do not attempt to load more than one disc.
Make sure the label side is facing up when you insert the disc.
Your player will automatically eject any disc that is inserted incorrectly.
If the player continues to eject a correctly inserted disc, push the Power button.
Playing a disc while driving on a very bumpy road may result in skips, but this will not scratch the disc or damage the player.

Irregular Shaped Discs

Be sure to use round shaped discs only for this unit and never use any special shaped discs. Use of special shaped discs may cause damage to the mechanism.

New Discs

As a protective measure to prevent the Disc from jamming, the DVD player will automatically eject discs with irregular surfaces or inserted incorrectly. When a new disc is inserted into the player and ejected after initial loading, using your finger, feel around the inside of the centre hole and outside edge of the disc. If you feel any small bumps or irregularities, this could inhibit proper loading of the disc. To remove the bumps, rub the inside edge of the hole and outside edge of the disc with a ball-point pen or other such instrument, then insert the disc again.



Installation Location

Make sure the A.V.N.C will not be installed in a location subjected to:

- Direct sun and heat
- High humidity and water
- Excessive dust
- Excessive vibrations

Precautions

WARNING

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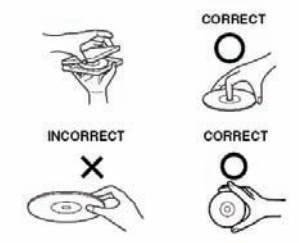
Correct Handling

Do not drop the disc while handling. Hold the disc so you will not leave fingerprints on the surface. Do not affix tape, paper, or gummed labels to the disc. Do not write on the disc.



Disc Cleaning

Fingerprints, dust, or soil on the surface of the disc could cause the DVD player to skip. For routine cleaning, wipe the playing surface with a clean, soft cloth from the centre of the disc to the outer edge. If the surface is heavily soiled, dampen a clean, soft cloth in a solution of mild neutral detergent before cleaning the disc.

Using compact discs (CD/CD-R/CD-RW)

If you use unspecified compact discs, correct performance cannot be guaranteed.

You can play CD-Rs (CD-Recordable)/CD-RWs (CDReWritable) which have been recorded only on audio devices.

You can also play CD-Rs/CD-RWs containing MP3/WMA formatted audio files.

• Some of the following discs may not play on this unit:

Flawed discs, discs with fingerprints, discs exposed to extreme temperatures or sunlight (e.g., left in the car or this unit), discs recorded under unstable conditions, discs on which a recording failed or a re-recording was attempted, copy-protected CDs which do not conform to the audio CD industry standard.

• Use discs with MP3/WMA files written in a format compliant with this unit.

To customers using CD-R/CD-RW

• If a CD-R/CD-RW cannot be played back, make sure the last recording session was closed (finalized).

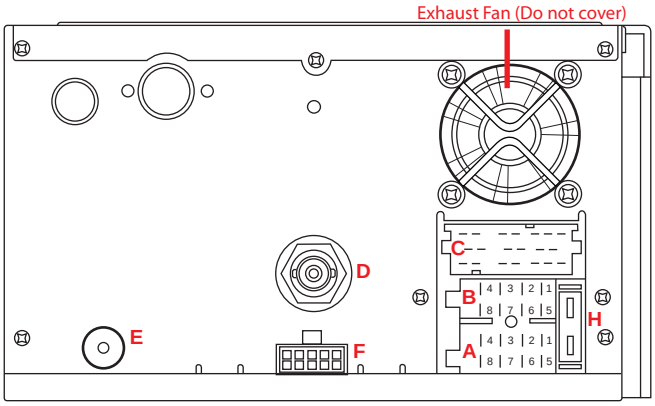
• Finalize the CD-R/CD-RW if necessary, and attempt playback again.

What's in the Box?

- 1 x A.V.N.C
- 1 x power & speaker wiring looms
- 1 x gps antenna
- 1 x microphone
- 1 x remote control
- 1 x usb adaptor cable
- 1 x quick user guide
- 1 x multimedia plugin loom
- 1 x av plug in loom
- 1 x generic bracket x 2
- 1 x stylus (inserted in A.V.N.C)
- 1 x 1gb sd card (inserted in A.V.N.C)
- 8 x mounting screws

What connections can the A.V.N.C accept?

REAR OF A.V.N.C



C - AV I/O (refer to labels on wires)

D - GPS antenna connection

E - Radio Antenna Connection

F - AV input loom (refer to labels on wires)

H - 10A Automotive Fuse

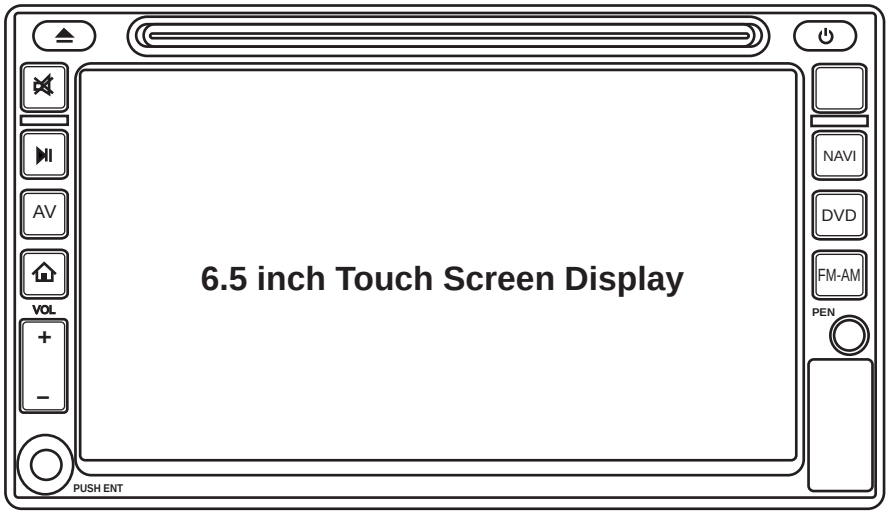
A - Power & Control Loom

1 -- Battery (+12V DC) / Yellow
2 -- Acc (+12V DC) / Red
3 -- Brake/Speed (GND) / Purple
4 -- Amp Control (+12V DC) / Green
5 -- GND / Black
6 -- ILL (+12V DC) / Orange
7 -- Reverse Camera Trigger (+12V DC) / Blue
8 -- Ant Control (+12V DC) / White

B - Speaker loom

1 -- FL +
2 -- FR +
3 -- RL +
4 -- RR +
5 -- FL -
6 -- FR-
7 -- RL -
8 -- RR -

Front Panel Button Functions



Features:

Toggle Switch

Playback Control (DVD / CD)

Next Track

Rewind FF

Previous track

Eject DVD / CD

Power On/Off

Mute System Sound

IR remote control

Play / Pause toggle (DVD)

NAVI Go to Street Navigation

AV Switch to AV Channel

DVD Go to DVD / CD menu

Return to Main Menu

FM-AM Go to Radio menu

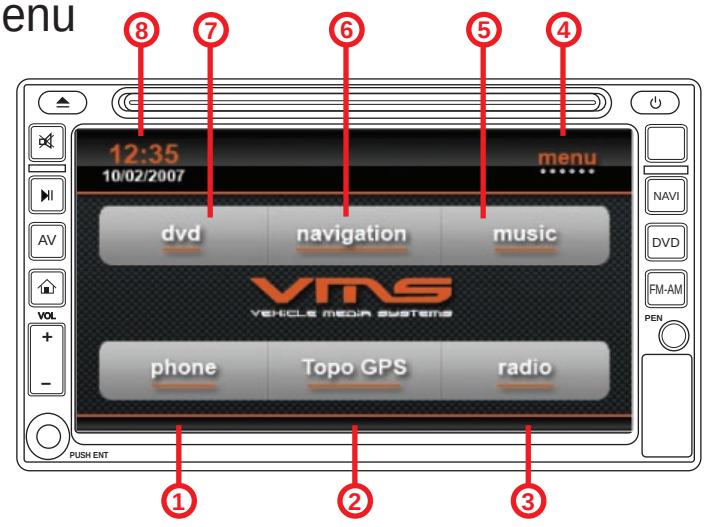
VOL

System Volume

\+ Increase Volume

\- Decrease Volume

System Main Menu

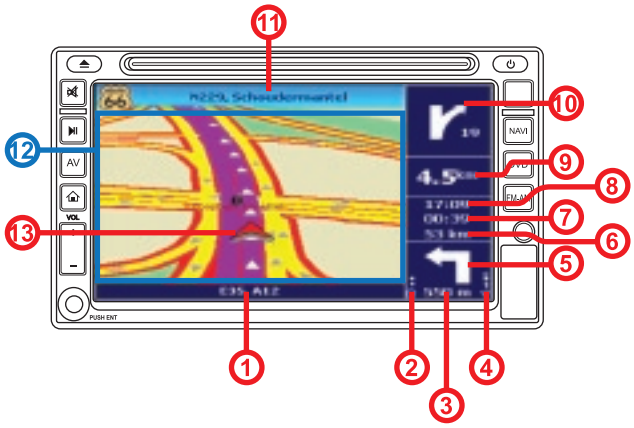


1. Bluetooth phone menu
2. Topographical GPS menu
3. Radio menu
4. Options menu
5. MP3 music menu
6. Street Navigation menu
7. DVD/CD menu
8. Date / Time

To select a function, touch the option you desire. For example, if you want to start street navigation, touch the "NAVIGATION" icon on screen.

Street Navigation

To Start Street navigation, Press “NAVIGATION” in the system menu or “NAVI” button on the front facia.



Description

1. Name of current road
2. Power status
3. Remaining distance to the current turn
4. GPS signal strength
5. Current turn notification
6. Remaining distance to destination
7. Estimated time of arrival (ETA)
8. Remaining time of arrival
9. Remaining distance on current route
10. Next turn notification
11. Current turn street name
12. Map windows
13. Current position

Entering Destinations

1

Enter the main menu by touching the map.

2

Select Navigate to

3

To find a new address, select Locations

4

QuickSearch allows for easy address input by abbreviations. To search the data base simply enter:

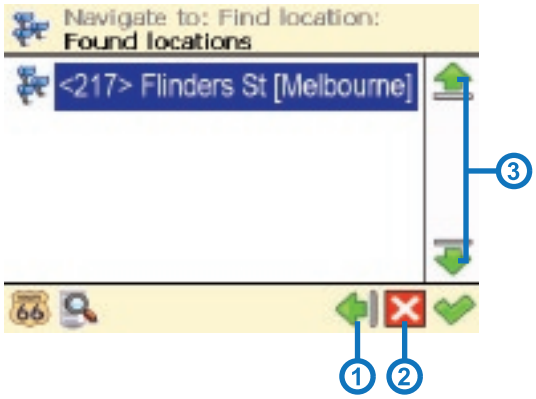
The House Number > first 4 letters of the street name > first 4 letters of the suburb name.

Then press

for 217 Flinders St Melbourne, type in 217 FLIN MELB

Street Navigation

⑥



A list of locations will appear. Select the correct location and press tick to start navigation.

① Back to previous screen

② Cancel Search

③ Scroll UP / DOWN

There may be too many locations to choose from. To refine a search, go to the previous screen and enter more characters to either street name or suburb.

If you do not have the HOUSE NUMBER or STREET NAME or SUBURB? Don't worry, just type in the information you have. QuickSearch will identify the closest match in it's database and display a number of locations you can choose from.

for Flinders St Melbourne, type in **FLIN MELB**
for Melbourne, type in **MELB**
for Flinders St, type in **FLIN**
for 217 Flinders St, type in **217 FLIN**

NOTE: Do not input the road type such as St, Street or Rd, Road. etc

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Need more help?

There are a host of other features not covered by this quick user manual.

For further assistance on your street navigation,

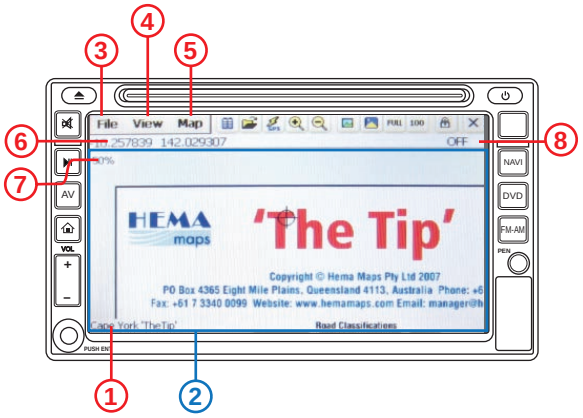
go to **MAIN MENU** > **HELP** > **HELP INDEX**

For further assistance, please visit

www.vms4x4.com.au

CLICK ON SUPPORT

Topographical Navigation



1. Map Name
2. Map Screen
3. File menu (drop down menu)
4. View Menu (drop down menu)
5. Map Menu (drop down menu)
6. Current Longitude / Latitude
7. Map Zoom Level
8. GPS status (OFF = GPS is off)

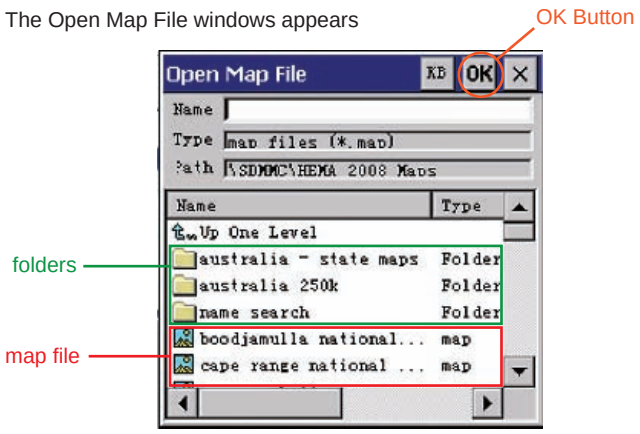
Main Toolbar

- GPS information
- Open Map Icon
- Start / Stop GPS
- Zoom In
- Zoom out
- Toggle Mini map On/Off
- Find more maps at current locations
- View Entire Map
- View Map at 100% Zoom level
- Lock Screen (disabled)

Open A Map

To open a map, either select FILE > OPEN MAP. Or click the OPEN MAP ICON.

The Open Map File windows appears



Navigate to the desired folder & select a map file by touching the screen. When the map file is highlighted, preass the OK button.

Open a Waypoint file

1.To open a waypoint file, select **FILE** > **WAYPOINT** > **Load Wp File**
2. The Waypoint File window appears.
3. Navigate to the desired folder & select a waypoint file by touching the screen. When the Waypoint file is highlighted, press the OK button.

Open a Route file

1.To open a Route file, select **FILE** > **Route** > **Load Route File**
2. The Route File window appears.
3. Navigate to the desired folder & select a Route file by touching the screen. When the Route file is highlighted, press the OK button.

Open a Track Log file

1.To open a Track Log file, select **FILE** > **Track log** > **Load Track File (Mem)**
2. The Track File window appears.
3. Navigate to the desired folder & select a Track log file by touching the screen. When the Track file is highlighted, press the OK button.

Save a Route file

1.To save a Route file, select **FILE** > **Route** > **Save Route**
2. The Save Route File window appears.
3. The file name will be automatically be generated.
4. Press the **ENTER** button on the **KEYBOARD** to save the file.

Save a Waypoint file

1.To save a Waypoint file, select **FILE** > **Waypoints** > **Save WP File**
2. The Save WP File window appears.
3. The file name will be automatically be generated.
4. Press the **ENTER** button on the **KEYBOARD** to save the file.

Save a Track Log file

1.To save a Waypoint file, select **FILE** > **Track Log** > **Save Track Log (Mem)**
2. The Save Track Log File window appears.
3. The file name will be automatically be generated.
4. Press the **ENTER** button on the **KEYBOARD** to save the file.

Main Toolbar

GPS information

Open Map Icon

Start / Stop GPS

Zoom In

Zoom out

Toggle Mini map On/Off

Find more maps at current locations

View Entire Map

View Map at 100% Zoom level

Lock Screen (disabled)

Waypoints

What is a waypoint?

A waypoint is a position on a map. Waypoints can be used for a wide range of things from pinpointing points of interest to mountain tops, to fishing hotspots on rivers and lakes, landmarks etc.

Using the Waypoint Toolbar

The Waypoint Toolbar can be accessed by selecting **VIEW** > **TOOLBARS** > **WAYPOINT TOOLBAR**.

Add a Waypoint - If selected, a waypoint is added at the position on the map where you click.

Delete Waypoints - All waypoints are deleted from the map.

Display Waypoint List - A list of waypoints on the map is displayed. The list shows information about each waypoint.

Load a Waypoint File - Select a waypoint file (.wpt) to load.

Save Waypoints to File - All waypoints on the map are saved to a waypoint file (.wpt).

Show/Hide Waypoint Name - Waypoint names are displayed on map / or not.

Auto Show Waypoint Properties - If selected, the waypoint properties dialog is shown automatically when a new waypoint is added. Changes to the name and description of the waypoint can be made.

Close - Turns off waypoint toolbar.

Proximity Warning

By default, Proximity warning to Waypoints is activated. Alarm is triggered when you come within a certain distance of the waypoint. These can be used to inform you of arrival at locations or to warn you of sharp drops or sandbanks.

Routes

What is a route?

Routes are a series of waypoints linked together.

Using the Route Toolbar

The Waypoint Toolbar can be accessed by selecting **VIEW** > **TOOLBARS** > **ROUTE CREATE TOOLBAR**.

Add a Route - If selected, a waypoint is added at the position on the map where you click.

Insert a Route Waypoint - If selected, a route waypoint is inserted between two waypoints or at the start or end of the route depending on a best choice.

Delete Route - The current route displayed is deleted from the map.

Display the Route Properties Dialog - The properties dialog displays a list of the route waypoints.

Load a Route - the selected route is loaded to the map.
Save Route to File - The currently loaded route is saved as a (.rt2) file.

Show/Hide Route Waypoint Name - If selected, route waypoint names are displayed.

Close - Turns off Route Create toolbar.

How to create a Route

Bring up the Route Create Toolbar by selecting VIEW > TOOLBARS > ROUTE CREATE.

Select the Add a Route Waypoint button. Using the Stylus, insert any number of waypoints by tapping on the screen.

When you have finished creating a route, select Save Route to File from the Toolbar to save the created Route to file for later use.

Navigation

When a Route has been plotted on the map, it allows Voice activated navigation to each of its
waypoints.

1. Select the button on the tool bar & select Route Navigation Page.
2. Select to active the Navigation Toolbar. Select Start Route Forward button.

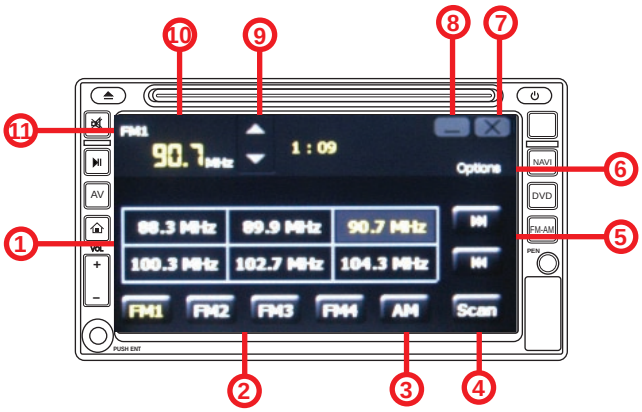
You will notice a Yellow/Red navigation line pointing as the crow flies to the nearest waypoint in of that route. This is a graphical indication of your relative position to that waypoint. On the side is all the relevant information to aid in navigation.

While navigating, when a WP is reached, you will hear voice instruction on how to proceed. Once the WP is passed, it will automatically proceed to the next WP in route.

Reverse Navigation.
In some circumstances, you may want to navigate from the last WP to the first WP. To do so, select the Navigation Toolbar and select Start Route Reverse.

Stop Navigation.
To cancel navigation, select the Navigation Toolbar and select Stop Navigation.

Radio



1. **STATION PRESETS** - Each block represents 1 radio station.
2. **FM BAND SELECTION** - Each Band contains 6 FM station presets (24 stations).
3. **AM BAND SELECTION** - Contains 6 AM station presets.
4. **SCAN** - Automatically scans selected band from lowest Frequency to highest.
5. **SEEK UP / DOWN** - Seeks the next radio station up or down
6. **REGIONAL SETTINGS** - US, Euro or Asia.
7. **TURN OFF RADIO** - Turns off radio tuner
8. **MINIMISE RADIO** - Radio screen will disappear, audio is uninterrupted.
9. **TUNE** - Manually tune stations
10. **CURRENT STATION** - Displays the station that is currently selected
11. **CURRENT BAND** - Displays the current band selected.

Tuning Radio Channel

There are different ways to tune in your favorite radio station. They are
1. By automatic **SCAN**
2. By manual **SEEK**
3. By manual **TUNE**

SCANNING FOR RADIO STATIONS.

1. Select the Band you desire to scan, either FM or AM.
2. Press the first Station Preset Box.
3. Select the **SCAN BUTTON**.
4. The first station will appear in the Station Preset Box, if you wish to save this station. Touch and hold the station box for 5 sec and the station will be saved.
5. If the station scanned is not what you are looking for, select **SCAN** again. Repeat until your desired station appears. To save the station, refer to step 4.
6. Select the second Station Preset Box and repeat steps 1-5.

SEEK FOR RADIO STATIONS

Seek is useful if your desired radio station is not far from the current station. For example, if you wish to listen to 101.9FM and your current station is 101.1FM. You can press the **SEEK UP BUTTON**. This is easier than pressing SCAN as SCAN will start scanning from the lowest possible frequency.
1. Select the Band you desire, either FM or AM.
2. Select a Preset Station that is close to your desired station.
3. Press either **SEEK UP** or **SEEK DOWN** button.
4. Once your station appears, Touch & hold the station box for 5 sec and the station will be saved.
5. If the station is not what you are seeking, SEEK again. Repeat until your desired station appears. To save the station, refer to step 4.

MANUALLY TUNE FOR RADIO STATIONS

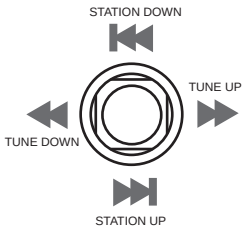
Manual Tune is useful if your desired radio station has a weak signal and automatic scan does not pick it up. In these cases, if you know the Station frequency, you can manually tune the radio to this particular station.
1. Select the Band you desire, either FM or AM.
2. Select a Preset Station that is close to your desired station.
3. Press either **TUNE UP** or **TUNE DOWN** button.
4. Once your station appears, Touch & hold the station box for 5 sec and the station will be saved.

Listening to the Radio

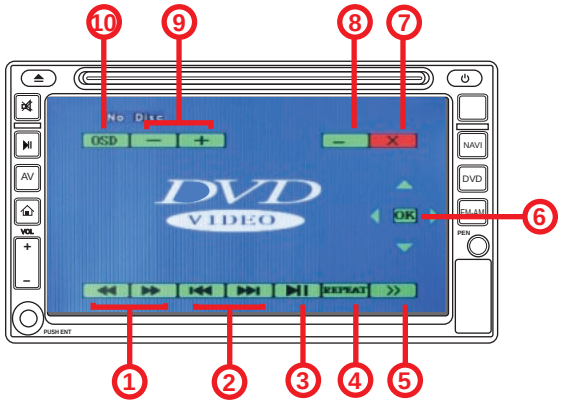
1. press the Radio button in the System Menu or FM-AM button on the front facia.
2. Choose either FM or AM band by pressing the BAND SELECTION buttons.
3. Select your desired station.
4. To increase or decrease volume, press VOL+/- on the front facia.

Using the Toggle Switch

The Toggle Switch can also be used to operate the radio tuner.



DVD/CD player



1. Press and hold these button during play to fast backward or forward respectively. Release the button when you reach the desired portion you wish to play. Playback starts from that portion.
2. Lightly press theses button during DVD/video CD/CD play to return to the beginning of the chapter/track being currently played or advance to the beginning of the next chapter/track respectively.
3. Note: The word "chapter or track" means a division of the recorded picture/sound on a DVD/video CD/CD respectively.
4. Press this button during DVD/video CD/CD play to freeze frame or pause. To resume normal play, press the button for a second time.

Press the (REPEAT) button during play to repeatedly play the chapter/track or title/disc being currently played.

DVD repeat mode: → Chapter → Title → OFF

5. Press this button for more options.

6. Title Selection. Use the arrows to select main menu options in the title menu of a DVD & press OK to confirm your selection

7. EXIT DVD player.

8. MINIMIZE DVD player. Press this button to minimise DVD video. Once minimised, audio from the DVD or CD will continue to play. This will allow for other functions such as Navigation to be used while listening to a CD or DVD.

9. Press these buttons to increase or decrease settings in OSD

10. OSD (On Screen Display) - settings for Volume, Bass, Treble, Balance. Press repeatedly to toggle between each settings. Use the +/- buttons to change settings.

Inserting a DVD/CD

Insert only 12cm standard size DVD or CD disks.
1. Gently slide the disk into the DVD loader
2. The unit will automatically recognise there is a disk present and will load the disk.
3. **DO NOT FORCE DISKS INTO THE LOADER. IF THERE IS RESISTANCE, PLEASE CHECK IF THERE IS ALREADY A DISK IN THE LOADER.**

WARNING: The A.V.N.C has a single disk loader.

Playing a CD

1. Press the DVD button on the front panel to select DVD/CD menu.
2. Insert a CD into the loader.
3. After loading, the CD should automatically start playing from track #1.

Change tracks on a CD

1. In the DVD/CD menu Tap any part of the screen to activate the controls.
2. Select ⏮ or ⏭ to change to previous or next track.

Listening to a CD while in Navigation

1. In the DVD/CD menu, tap any part of the screen to active the controls.
2. Press the - button on the top left hand corner to minimise the DVD menu.
3. Select Navigation in the System Menu.

Playing a DVD

1. Press the DVD button on the front panel to select DVD/CD menu.
2. Insert a DVD into the loader.
3. After loading, the DVD should automatically start playing.
4. Most DVDs have a Main Menu page. When playback reaches the Main Menu, it will ask for user selection.
5. Select the desired option by using the Toggle Switch.
6. Press the Toggle Switch to confirm selection.
7. If Play is selected, the DVD will start playing the feature.

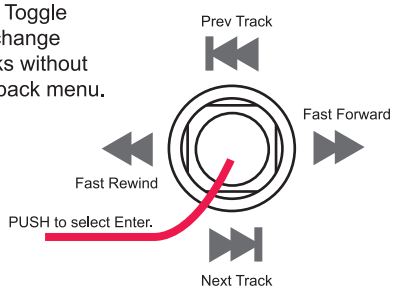
Change Chapter on a DVD.
1. In the DVD/CD Menu, tap any part of the screen to activate the controls.
2. Select ⏮ or ⏭ to change to previous or next chapter.

Dual Zone Control

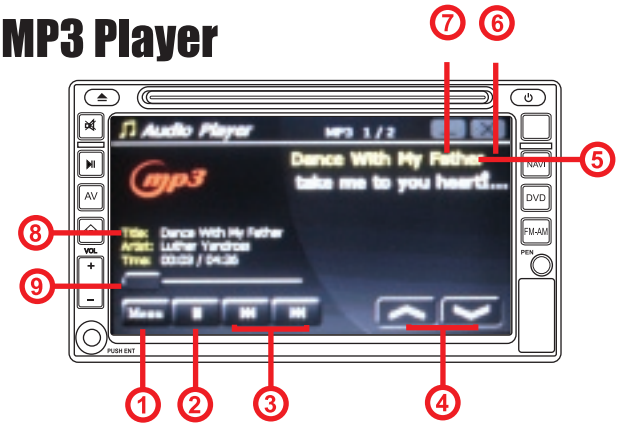
When an additional Screen & Headphones are installed for Rear Seat passengers, Dual Zone can be utilised. Dual Zone allows the DVD to play via the rear screen(s) and navigation & Radio to be used on the A.V.N.C. The audio for the DVD will be channel to the headphones & audio for Radio will be channeled through the car speakers.
1. Start playing the DVD by following the steps listed in **PLAYING A DVD**.
2. If the rear screen(s) are on & connected, both video & audio will be channeled to the rear screens.
3. Minimise the DVD/CD menu by pressing the - button in the top right corner of the screen. The DVD will continue to play through the rear screen(s). However, the audio will still be channelled through both the car speakers and headphones.
4. To use navigation, press the NAVIGATION button in System Menu.
5. To listen to the radio, press the FM-AM button (or radio in the System Menu).
6. Now radio will be active through the car speakers and the DVD is paused.
7. Press the Play button on the Remote control to start DVD playback on the rear screen(s).

Using the Toggle Switch for DVD/CD operation

For your convenience, the Toggle Switched can be used to change tracks or fast forward tracks without switching to the DVD playback menu.



MP3 Player



1. **MENU** - More options for mp3 player
2. **PLAY/PAUSE** - Toggles between Play & Pause
3. **PREV / NEXT TRACK** - Change to Previous or Next track on the playlist
4. **SCROLL PLAYLIST** - Scrolls the playlist up or down
5. **PLAYLIST** - Displays track names that will be played
6. **CLOSE** - Quits mp3 player
7. **MINIMISE** - minimises mp3 player
8. **TRACK INFO** - Display current track information such as Track Name, Artist, Time left on track
9. **PROGRESS BAR** - Displays the progress of the current track

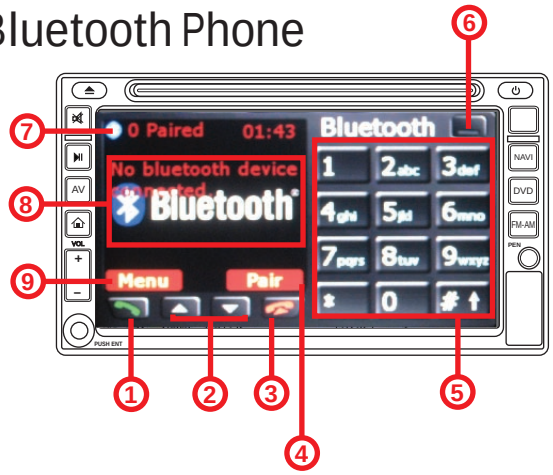
Playing MP3s

We recommend saving mp3 files into a folder on the SD card.

1. Select MENU > OPEN AUDIO FILE
2. Select SD on the bottom right corner of the file manager. Select the folder where your mp3 files are located.
3. Select the files you would like to play.
4. Select Play.

Changing MP3 tracks
1. Select the song you would like to play on the playlist by touching the touchscreen. OR
2. PREV / NEXT TRACK

Bluetooth Phone



1. **ANSWER / DIAL** - Answer or dial a call
2. **SCROLL UP / DOWN** - Scroll up or down
3. **REJECT / CANCEL** - Reject or cancel a call
4. **PAIR** - set bluetooth into Pairing mode
5. **KEYPAD**
6. **MINIMISE** - Minimise bluetooth
7. **# DEVICES** - Number of devices paired to this unit
8. **INFO DISPLAY** - Displays phone information
9. **MAIN MENU** - bluetooth menu

PASSWORD
1234

Paring Your Phone

To use the bluetooth handsfree function, you must first pair your Bluetooth compatible phone to the unit.

1. Turn on Bluetooth on your phone.
2. Select PAIR in the Bluetooth Menu.
3. On you phone, select “Search for New Devices”.
4. Once the phone has found “A2265” select it.
5. You will be promoted to enter the password, input “1234”
6. Follow the instructions on the phone.
6. Once connected, you will see your phone’s ID in the INFO DISPLAY

You may pair up to 6 phones with the A.V.N.C. To pair another phone, follow the above steps.

Switching between Different Phones Paired

1. Select MENU > Bluetooth > Device list
4. Select the phone you wish to connect
5. Select Options > Connect

Once connected, this phone will be automatically paired from now on.

Sending Your Contact List

Most phones allow its contact list to be exported. Please refer to your phone’s user manual for further details.

1. Select Menu > Bluetooth > Receive vCard
2. Send your contacts from your phone.

Answering a Call

When an incoming call is received, the Bluetooth menu takes priority over all other functions.

1. When the Bluetooth screen appears, press the ANSWER button.

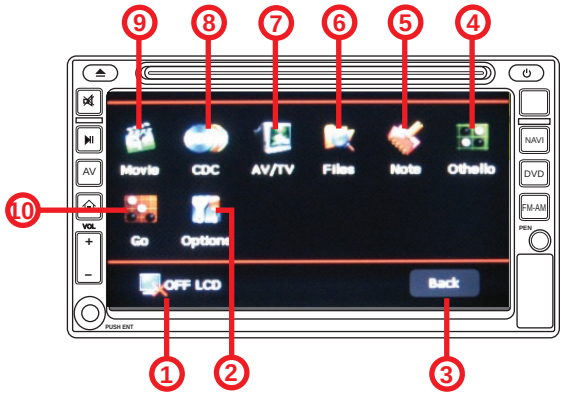
Dialing a Call

You may manually dial the number then press the DIAL button, OR you may pick a contact in your contact list by selecting MENU > CONTACTS. Once the contact is selected, press the DIAL button.

Rejecting a Call

To reject a call, press the REJECT BUTTON.

System Menu

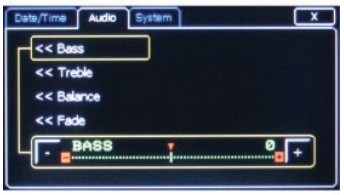


1. **TURN OFF LCD** - Turns off the screen (NIGHT MODE)
2. **SYSTEM OPTIONS** - System options such as Time & Audio Adjustments
3. **BACK** - Back to System Menu
4. **OTHELLO** - Starts Othello the game
5. **NOTEPAD -** Starts Notepad
6. **FILE BROWSER** - Browse the file on the SD card or USB memory
7. **AV** - Starts the AV channel
8. **CDC** - Starts the CDC channel
9. **MOVIE PLAYER** - Playback of MP4 movies
10. **GO** - Starts Go the game

System Options

SYSTEM TIME

System Time can be adjusted in the system menu. Please Note that this time is synchronised to the GPS.



AUDIO SETTINGS

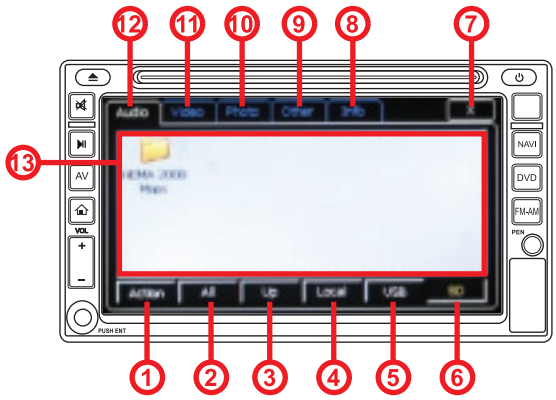
Audio settings such as Bass, Treble, Balance & Fade can be adjusted by pressing the +/- buttons on the touchscreen.

SYSTEM OPERATION MENU

UPDATE - Allows system firmware to be updated

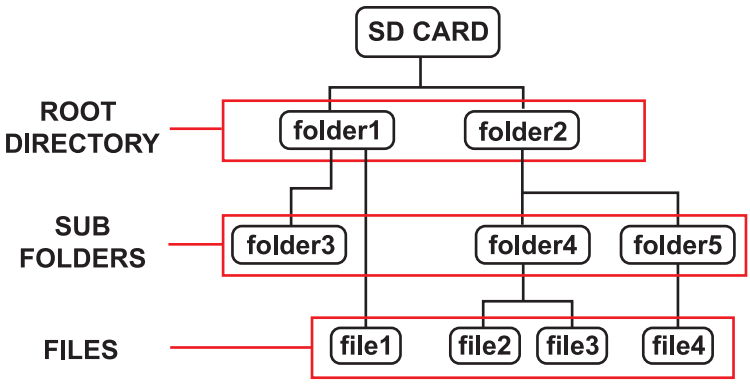
CALIBRATION - Calibrates the touchscreen

File Browser



1. **ACTION MENU** - displays menu options
2. **SELECT ALL** - Selects all files & folders in current directory
3. **UP** - Up one directory
4. **LOCAL -** Browse internal memory
5. **USB** - Browse USB memory (only available if USB flash drive is detected)
6. **SD** - Browse SD card
7. **CLOSE** - Quits file browser
8. **INFO** - Displays information on current drive (LOCAL / USB / SD)
9. **BROWSE OTHER** - Displays supported file types other than media files
10. **BROWSE PHOTO** - Displays .JPEG & .BMP picture files
11. **BROWSE VIDEO** - Displays .MP4, .MPEG .AVI video files (playback of MP4 videos only)
12. **BROWSE AUDIO** - Displays .MP3 & .MPEG audio files (Does not support .ACC iPod files)
13. **DISPLAY** - Displays files & folders in the current directory.

File Structure



The file directory in the A.V.N.C is exactly the same as in a regular Windows PC. To enter a folder, double click on the folder. To move up a directory select UP from the bottom tool bar.

Once a file is selected you can open it using the ACTION MENU.

To select all files in the folder, press the ALL button in the ACTION MENU.

Installation

Please note: photos used to illustrate the following steps are of a TOYOTA PRADO 120 series. With different model cars, the installation method may vary. Photos are used for demonstration purpose only.

STEP 1: Remove original radio.

Start by removing necessary dash trims. As the trims are removed, it will allow the original radio to be removed by unfastening the original mounting bolts. Please keep all trim pieces, bolts & accessories in one place. If you are unfamiliar with which positions the screws came from, it is wise to label them.

Step 2: Remove radio from original brackets.

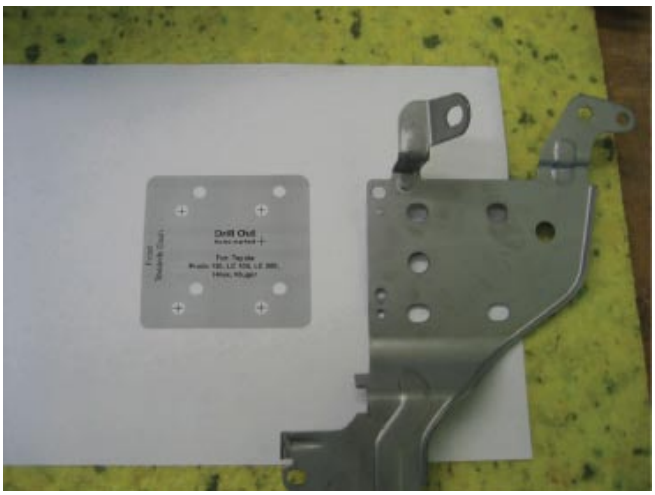
In most vehicles, the original radio is bolted to the original brackets by 4 bolts on either side. Remove these bolts to separate the OE radio from its mounting bracket.

Step 3: Drill mounting holes for A.V.N.C

To make finding the right positions to drill easier, VMS offers premade template downloads from http://www.vms4x4.com/support/support.html
If you vehicle is available, download the template in PDF format and print out at 100% original size.

Place the template over your factory mounting bracket, mark the holes & drill.

We strongly recommend the use of a bench drill to drill the mounting holes. This will allow for a more precise fitment.

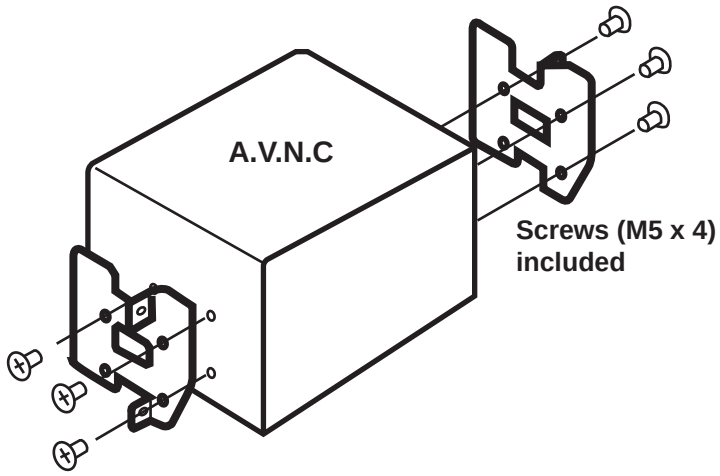


Step 4: Insall A.V.N.C onto original factory radio bracket

After the mounting holes are drilled. Install the A.V.N.C on to the original factory bracket using the mounting screws provided in the package. Do not use screws that are not supplied with the unit as this may damage internal components on the A.V.N.C.

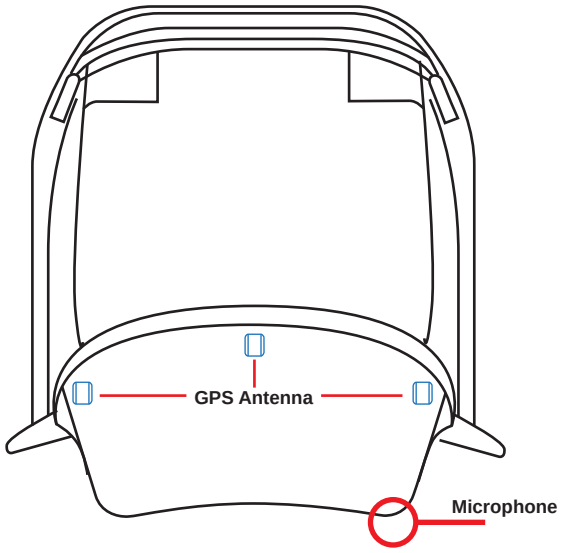
Please note, use the longer fixing screws on the side of the A.V.N.C with heat sink.

To install using the vehicle's genuine bracket.



Step 5: Position GPS Antenna & Microphone.

Now is a good time to position both the GPS antenna & microphone for the bluetooth. Both are best suited to the driver's side, so start by clipping the microphone onto the top of the A pillar plastic trim. In most vehicles, the door trim seal can be removed and the wires can be hidden behind the trim.



Place the GPS antenna in the corner of the dash on the driver's side A pillar. Run the wiring under the dash trim. If the wires are run across the top of pedals, be sure to use cable tires to secure loose wires from protruding near the pedals.

Step 5: Wiring the A.V.N.C.

VMS offer a range of wiring looms to suit specific vehicles and is made to be compatible with the original radio harness. If this part is available for your vehicle, please utilise the integration kit.

Plug the VMS factory integration loom into the A.V.N.C, then plug the other end into the factory wiring harness. Plug the GPS antenna, Microphone & Radio Antenna into the A.V.N.C. (VMS also provides radio antenna adaptors for antenna configurations not compatible with the A.V.N.C)

On the factory integration loom, there will be few loose wires labeled, REVERSE (BLUE), AMP CTL (Green), BRAKE/SPEED (Purple).

- **REVERSE** wire is used when a reversing camera is fitted. This line needs a 12V+ signal which can be tapped off the reversing light. The purpose of this wire is to let the A.V.N.C know when the car is in reverse gear so that the screen can automatically change to reverse mode.

- **BRAKE/SPEED** wire is used to control the play back of DVDs. This should be connected to your vehicle's handbrake (GND). Consult an auto electrician if you cannot find the ground to your handbrake. If grounded to the vehicle's body, the DVD player will play at anytime regardless of the vehicle being in motion.

Step 7: Check for operational status

When all wires have been connected, turn your key to the ACC/ON position and turn on the A.V.N.C by pressing the POWER button. The A.V.N.C should start with a VMS logo and then display the main menu.

Make sure the vehicle is outdoor and in an open area, start GPS navigation by pressing the “Navigation” button. Wait for a few minutes and the GPS should lock on to satellites and display your position. If not, check your GPS antenna is connected properly.

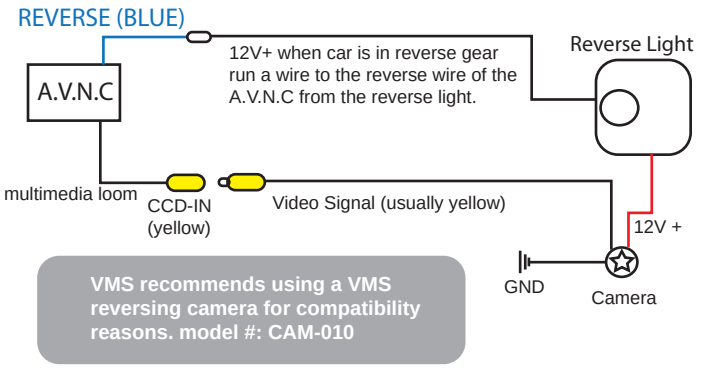
Press the Radio button and hit scan. The A.V.N.C will automatically pick up radio station and put them into it’s memory. If there is no reception, check if the antenna is plugged in and making decent contact. Ensure your radio aerial is fully extended.

Step 8: Completing Installation

Turn the key to OFF position and remove. Secure the A.V.N.C into the dash. Ensure that none of the wires at the rear of the A.V.N.C are crimped when installing the unit. Replace all trim pieces.

Installing a Reverse Camera

To install 1 reversing camera to the A.V.N.C, please refer to the wiring diagram below.



In Case of Difficulty

If you encounter a problem, please turn the power off, then on again. If the unit is still not functioning normally, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected, or then consult your authorised VMS dealer.

Basic

No function or display

Vehicle’s ignition is off.
- If connected according to the instructions, the unit will not operate with the vehicle’s ignition off.
• Improper power lead connections.
- Check power lead connections.
• Blown fuse.
- Check the fuse on the battery lead of the unit; replace with the proper value if necessary.
• Internal micro-computer malfunctioned due to interference noise, etc.
- Press the POWER button to reset the unit.

No sound or unnatural sound.

• Incorrect setting of volume/balance/fader controls.
- Readjust the controls.
• Connections are not properly or securely made.
- Check the connections and firmly connect.

Screen not displayed.

• Temperature in the vehicle is too low.
- Increase the vehicle’s interior temperature to operation temperature range.

Movement of displayed picture is abnormal.

• Temperature in the vehicle is too high.
- Allow the vehicle’s interior temperature to cool.

Unclear or noisy display.

• Backlight plate on the LCD is worn out.
- Replace the backlight plate.
The back light replacement is not free of charge even within the warranty period, for the tube is an article of consumption.

Navigation.
• GPS cannot be detected.
- Check if both Street Navigation & Topo GPS are running at the same time. If so, close one of the navigation functions.
• Navigation cannot be started.
- Check if the SD card is present.

Radio

Unable to receive stations.
• No antenna, or open connection in the antenna cable.
- Make sure the antenna is properly connected;
replace the antenna or cable if necessary.

Broadcast is noisy.
• The antenna is not the proper length.
- Extend the antenna fully; replace it if it is broken.
• The antenna is poorly grounded.
- Make sure the antenna is grounded properly at its mounting location.
• The station signal is weak and noisy.
- If above solution does not work, tune in another station.

CD/DVD

Disc playback sound is wavering.
• Moisture condensation in the disc Module.
- Allow enough time for the condensation to evaporate (about 1 hour).

Disc insertion not possible.
• A disc is already in the DVD player.
- Eject the disc and remove it.
• The disc is being improperly inserted.
- Make sure the disc is being inserted following the instructions in the CD/DVD Player Operation section.

Unable to fast forward or backward the disc.
• The disc has been damaged.
- Eject the disc and discard it; using a damaged disc in your unit can cause damage to the mechanism.

Disc playback sound skips due to vibration.
• Improper mounting of the unit.
- Securely re-mount the unit.
• Disc is very dirty.
- Clean the disc.
• Disc has scratches.
- Change the disc.
• The pick-up lens is dirty.
- Do not use a commercial available lens cleaner disc. Consult your nearest VMS dealer.

Disc playback sound skips without vibration.
• Dirty or scratched disc.
- Clean the disc; damaged disc should be replaced.

CD-R/CD-RW playback not possible.
• Close session (finalization) has not been performed.
- Perform finalization and attempt playback again.

Error displays
• Mechanical error
- Press eject After the error indication disappears, insert the disc again. If the above-mentioned solution does not solve the problem, consult your nearest VMS dealer.

Playback does not start.
• Disc is loaded upside-down.
- Check the disc and load it with the labeled side facing upward.
• Disc is dirty.
- Clean the disc.
• A disc not able to playback with this unit is loaded.
- Check if the disc is able to be played back.

Picture is unclear or noisy.
• Disc is being fast-forwarded or fast-reversed.
- The picture may be slightly disturbed, but this is normal.
• Vehicle’s battery power is weak.
- Check the battery power and wiring. (The unit may malfunction if the battery power is under 11 volts with a load applied.)
• Monitor’s LCD backlight is worn.
- Replace the monitor’s LCD backlight.

Image stops sometimes.
• Disc is scratched.
- Replaced with a non-scratched disc.

SERIOUS 4WD NAVIGATION

www.vms4x4.com

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